

## TECHNICAL SPECIFICATIONS

	9300	9600
Wavelengths range	• 320-1100 nmr	• 190-1100 nm
Light source	• Halogen	• Xenon
Spectral bandwidth	• 4 nmr	• 4 nm
Incremental WL step	• Reading: 0.1 nmr • Setting: 1 nm	• Reading: 0.1 nm • Setting: 1 nm
Wavelength accuracy	• ±1 nm	• ±1 nm
Wavelength repeatability	• ±0,5 nm	• ±0,5 nmr
Absorbance range	• ± 3,500 Abs	• ± 3,500 Abs
Absorbance resolution	• 0,001 Abs ou 0,1%T	• 0,001 Abs ou 0,1%T
Photometric accuracy	• ± 0,003 Abs (0,5 Abs) • ± 0,005 Abs (1,0 Abs) • ± 0,010 Abs (2,0 Abs)	• ± 0,003 Abs (0,5 Abs) • ± 0,005 Abs (1,0 Abs) • ± 0,010 Abs (2,0 Abs)
Stray light	• < 0,1 %T at 340 nm (GG375) • < 0,1 %T at 408 nm (GG408)	• < 1 %T at 198nm (KCl) • < 0,1 %T at 220nm (NaI) • < 0,05 %T at 340 nm (GG375) • < 0,05 %T at 408 nm (GG408)
Flatness baseline	• ± 0,002 Abs	• ± 0,002 Abs
Scanning speed	• Low – medium – fast > 600 nm/min	• Low – medium – fast > 800 nm/min
Update	• Via USB port	• Via USB port
Interface	• 1 USB-A, 1 USB-B, Ethernet RJ45	• 1 USB-A, 1 USB-B, Ethernet RJ45
IP	• IP 30 with drain in the cell compartment	• IP 30 with drain in the cell compartment
Power Supply	• 110-220V 50/60 Hz specific country cable	• 110-220 V 50/60 Hz specific country cable
Temperature (°C)	• Use: 10°C to 35°C • Storage: 25°C to 65°C	• Use: 10°C to 35°C • Storage: 25°C to 65°C
Dimensions (L x l x h)	• 404 x 197 x 314 mmr	• 404 x 197 x 314 mm
Weight (net)	• 4 Kg	• 4 Kg
Warranty	• 3 years	• 3 years

## ORDERING INFORMATION

- 70V10501A: UviLine 9300 - VISIBLE 4 nm spectrophotometer
- 70V10511A: UviLine 9600 - UV/VISIBLE 4nm spectrophotometer
- 80ZZ0037: Pre-aligned spare lamp for UviLine 9300
- 70V10600: Automated 5+1 cell changer / instrument driven \*
- 70V10601: Sipper / instrument driven \*
- 70V10607: 16 mm tube holder. Quick-lock system
- 70V10603: 10mm cell holder thermostated (Peltier system) / instrument driven \*
- 70V10604: 10mm cell holder (delivered standard with all UviLine series)
- 70V10609: 5mm-100mm universal cell holder & 16mm tube. Quick-lock system
- 70V10610: Sipper with Peltier effect
- 70M10670: PC LabPower software \*

\* - Contact us for more information

## SECOMAM • AQUALABO GROUP

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## UVILINE RANGE 9300 & 9600 SPECTROPHOTOMETER VISIBLE & UV-VISIBLE



**NEW**  
• Reference beam  
• Large color screen

- New reference beam : more accurate, less drift
- New acquisition system : 2 times faster
- New large color screen : better ergonomy
- New special mode : calculation according mathematical formulation and integration of additional variables
- Lamps lifetime improved : up to 4 years on Uviline 9300 and whole lifetime product on Uviline 9600
- Guaranteed straylight < 1%

## UVILINE RANGE: SMART COMBINATION OF INNOVATIONS

Uviline 9300 and 9600 spectrophotometers combine the newest and the best innovations.

Thanks to the new reference beam, the new acquisition system and a powerful software, Uviline spectrophotometer are accurate and user friendly.

### Perfect optical design

- Guaranteed Stray Light <1%
- Large Wavelength range: + 190 to 1100 nm (Uviline 9600) + 320 to 1100 nm (Uviline 9300)
- Bandwidth: 4nm
  - Ambient light automatic compensation
  - Fast scanning capability
  - High light purity allowing a large reading range: + 3,500 Abs
  - Automatic wavelength calibration

### 5 measuring modes

- Absorbance/Transmittance
- Concentration
- Multi wavelength
- Spectrum Scanning
- Kinetic

### Connections

- 2 USB port: storage/upload/download/update with USB stick, keyboard, mouse
- 1 Ethernet RJ45 port



## SOFTWARE DETAILS

<b>Concentration</b>	<ul style="list-style-type: none"> <li>• From 0 to 10 standards. Graphic calibration curve management</li> <li>• 120 preinstalled methods to analyze more than 40 parameters</li> </ul>
<b>Kinetics</b>	<ul style="list-style-type: none"> <li>• Dynamic graphic curve display, graphic management: zoom, slope calculation, current Abs</li> </ul>
<b>Spectrum scanning</b>	<ul style="list-style-type: none"> <li>• Dynamic graphic curve display, graphic management: zoom, derivative, current Abs, peaks and valleys</li> </ul>
<b>MultiWavelength</b>	<ul style="list-style-type: none"> <li>• Up to 10 WL - results formula</li> </ul>
<b>GLP compliant</b>	<ul style="list-style-type: none"> <li>• User login with 3 levels, parameters &amp; data storage</li> </ul>
<b>Storage capacity</b>	<ul style="list-style-type: none"> <li>• Internal: 100 methods / 30 graphics / 1000 data</li> <li>• With USB stick: limited to the key size</li> </ul>

## A FULL RANGE OF ACCURATE AND EASY-TO-USE ACCESSORIES

The cell compartment of Uviline can receive a wide range of accessories. Easy to access, they expand the applications of spectrophotometers and improve their automation.

These accessories are easily installed thanks to the locking system "Quick-Lock" and ensure optimum positioning of the cells. Automatic accessories (multicell, Sipper, thermostatically controlled cell holder ...) are entirely controlled by the software.



### SECOMAM cells 1

- The SECOMAM cells are a guarantee of quality and optical purity. More than 500 models of optical glass or quartz cells are proposed in our catalog.

### Single cell holder up to 10 mm optical path 2

- It can receive 10 mm cells and, associated to the right diaphragm, it allows the use of microcells up to 50 µl.
- Thermostatable version in option.

### 16 mm tube holder 3

- For 16 mm round tubes used for some micromethods.

### Universal Cell Holder 5-100 mm & 16 mm tube 4

- Suitable for cells 5/10/20/50/100 mm and 16 mm tubes, rigorously covers all uses of Uviline.



### Automatic multi-cell turret 5 + 1 5

- It manages 5 samples and 1 blank.
- The turret is easily removable and re-insertable for easy change of the cells.
- Positioning is extremely accurate even for small volume cells.



### Sipper 6

Compact, it is equipped with a peristaltic pump integrated to the cell holder:

- Programmable suction 500 µl to 2000 µl
- Can be used with cells from 30 µl to 450 µl
- It secures the handling and increases productivity



### Peltier 7

The Peltier temperature control system is compact, fast and accurate.

- Programming of the T°: from 10 °C to 60 °C
- Accuracy: 0.5 °C



### Sipper with Peltier 8

It combines a suction system by peristaltic pump integrated in the cell holder and a Peltier temperature control system

- Programming of the T°: from 10 °C to 60 °C
- Accuracy: 0.5 °C
- Programmable suction 500 µl to 2000 µl
- Can be used with cells of 30 µl to 450 µl
- Ultra compact, fast and completely driven by the device